

To: Beth Brown From: Mary Werska Date: 3/30/92
Subject: Carrier Air Sample Graphics Proj. No.:

Hi Beth,

Here are some sample graphics that may be helpful to you. Also sent the graphics we have of the Carrier site and a table we did for another site. We could typeset a similar table for you. If you write in long hand what you want in the table, we'll create the table and typeset it in the form sheet.

Best wishes on your work.

Mary

(312) 683-7838

P/S I started to fax some info earlier today but had a jam. Pls disregard that partially sent material. Thanks,

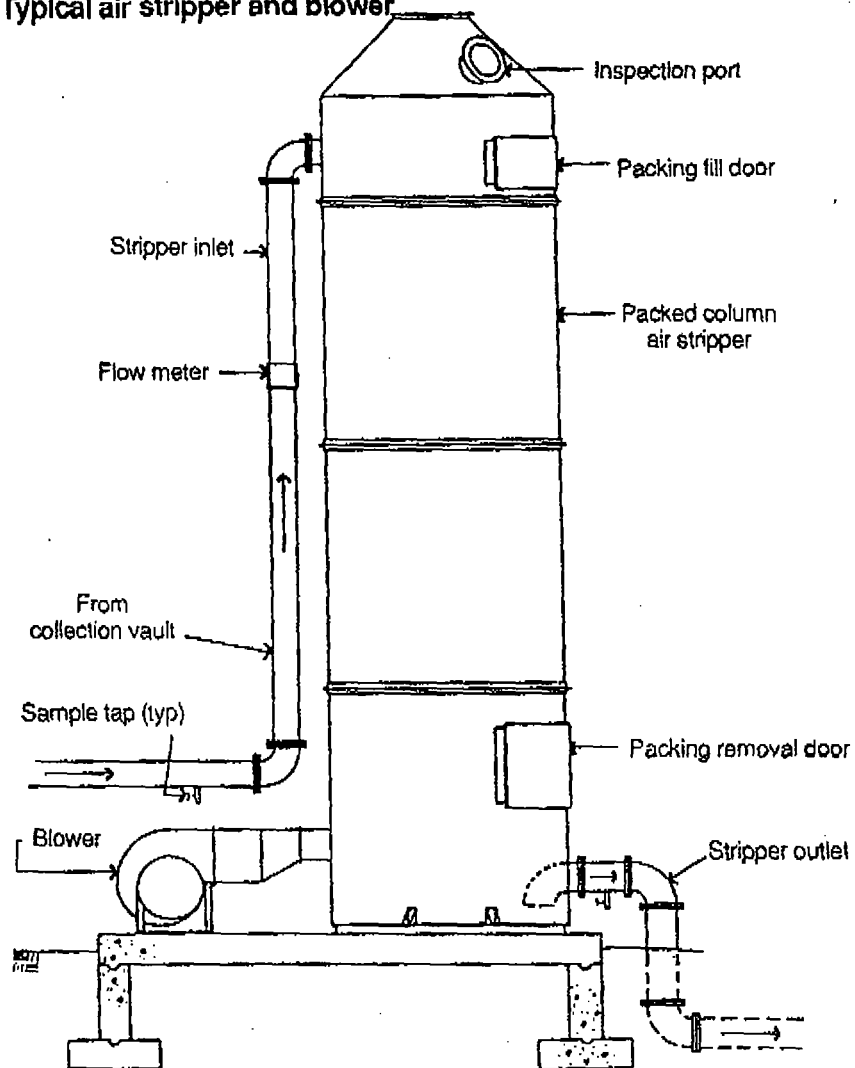
Mary

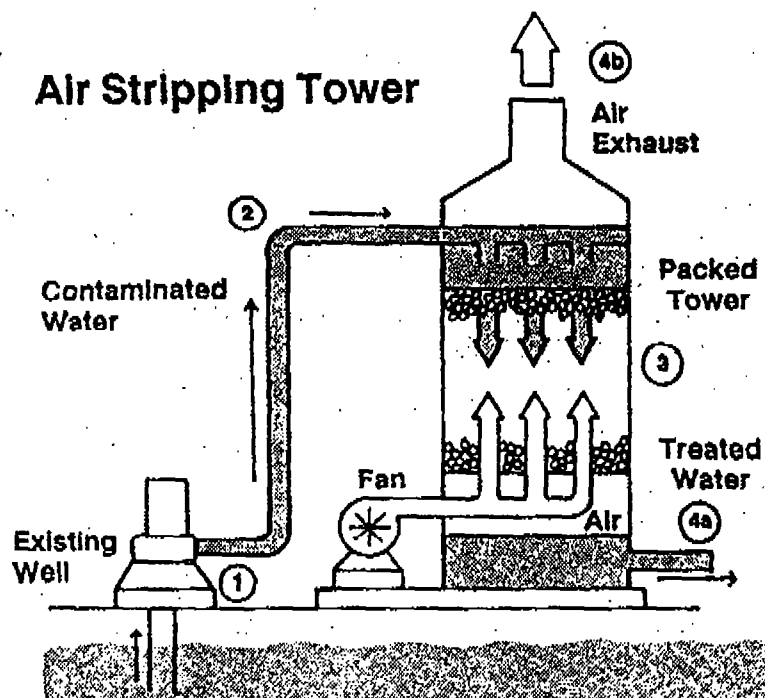


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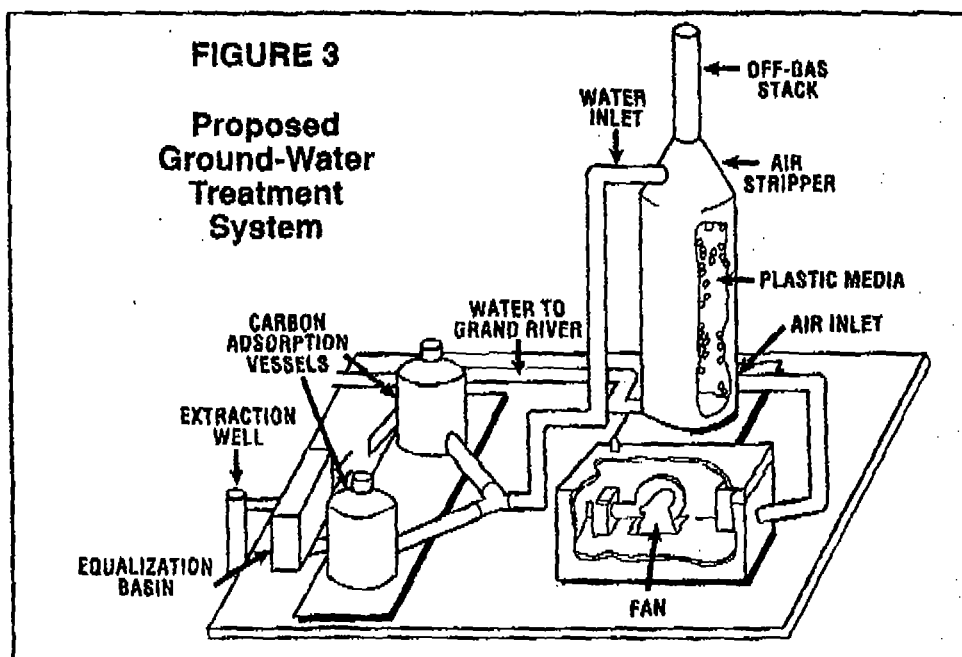
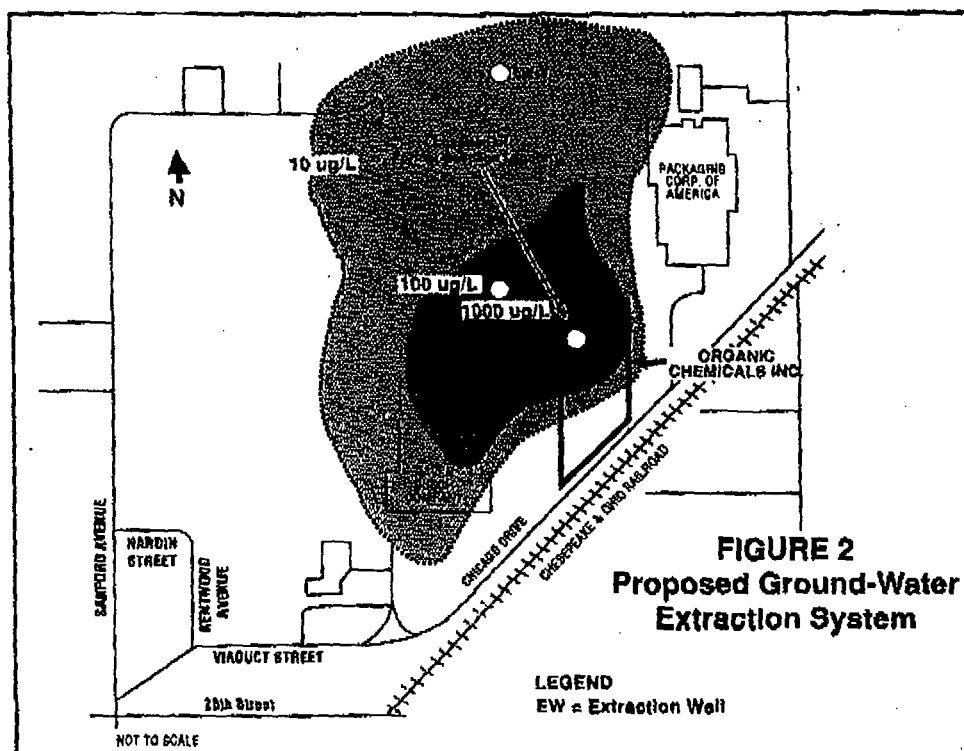
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To	Beth Brown	From	Mary Werska
Co.	EPA	Co.	BWST
Dept.		Phone #	(312) 683-7838
Fax #	(404) 347-1695	Fax #	(312) 346-4781

Typical air stripper and blower

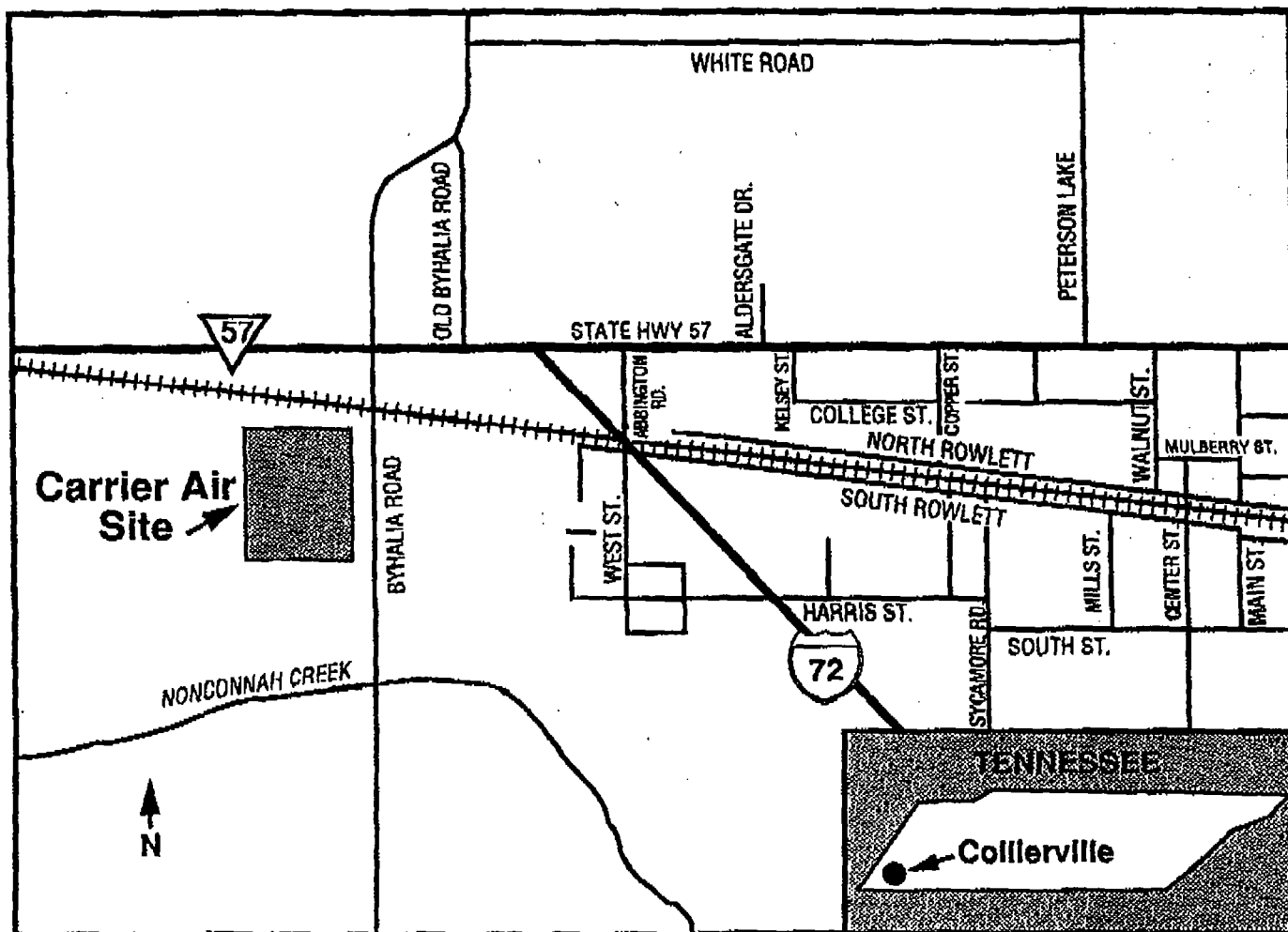




1. Contaminated ground water is withdrawn from the aquifer.
2. Contaminated water is distributed uniformly over loosely packed plastic modules.
3. Water cascades down through the plastic modules. The droplets are exposed to air forced upward through the tower. This process strips the VOCs from the water.
- 4a. The treated water is then discharged into the river in compliance with the requirements of waste-water permits.
- 4b. Air mixed with a small percentage of VOCs is released into the atmosphere. The low level emissions are not considered hazardous to human health or the environment.



Carrier Air Conditioning Company Superfund Site Location Map Collierville, Tennessee



CRITERIA	ALTERNATIVE 1: NO ACTION	ALTERNATIVE 2: RCRA CAP, MONITORING, AND LAND-USE AND DEED RESTRICTIONS	ALTERNATIVE 3: GROUND-WATER EXTRACTION, UV- OXIDATION, ACTIVATED SLUDGE, MONITORING, AND DISCHARGE	ALTERNATIVE 4: GROUND-WATER EXTRACTION, GRANULAR ACTIVATED CARBON, AIR STRIPPING, MONITORING, AND DISCHARGE
1. Overall Protection of Public Health and the Environment.	None provided.	Minimizes potential for additional contamination to enter upper ground-water system.	Removes the contaminants from part of the upper ground-water system, minimizing their seeping into the lower system.	Removes the contaminants from part of the upper ground-water system, minimizing their seeping into the lower system.
2. Compliance with Federal and State Regulations.	Does not comply.	Does not comply.	Complies with all major ARARs that are not waived.	Complies with all major ARARs that are not waived.
3. Cost:				
Capital	\$0	\$95,000	\$1,323,000	\$1,085,000
Annual O&M	\$0	\$27,000	\$291,000	\$317,000
Present Net Worth	\$0	\$510,000	\$5,787,000	\$5,931,000
4. Implementability.	Not applicable.	Proven and reliable technology; easy to implement.	Proven and reliable technology; easy to implement.	Proven and reliable technology; easy to implement.
5. Short-Term Effectiveness	None.	Fencing or temporary barriers to protect community; health and safety training and protective gear required for all site workers.	Fencing or temporary barriers to protect community; health and safety training and protective gear required for all site workers; minimal disturbance to community during construction.	Fencing or temporary barriers to protect community; health and safety training and protective gear required for all site workers; minimal disturbance to community during construction.
6. Long-Term Effectiveness and Permanence.	None.	Risks of soil and ground-water contamination would remain indefinitely.	Removal of ground-water contaminants through extraction and treatment over 30 years.	Removal of ground-water contaminants through extraction and treatment over 30 years; more reliable technology for greater permanence and effectiveness.
7. Reduction of Toxicity, Mobility, or Volume through Treatment.	None.	None.	Reduces the toxicity and volume of contaminants.	Reduces the toxicity and volume of contaminants.
8. State Acceptance.	To be determined.	To be determined.	To be determined.	To be determined.
9. Community Acceptance.	To be determined.	To be determined.	To be determined.	To be determined.

But,
 we can represent a table
 like this for you. 